

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013480.D
 Acq On : 08 Oct 2019 11:19
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:08:43 PM

Quant Time: Oct 09 05:29:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	297979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	414156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	351329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	176945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	45366	19.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.42%	
35) Dibromofluoromethane	7.88	113	45846	19.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.64%	
50) Toluene-d8	10.32	98	193586	19.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.82%	
62) 4-Bromofluorobenzene	12.62	95	63906	19.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	21561	21.844	ug/l	95
3) Chloromethane	2.21	50	37368	21.538	ug/l	97
4) Vinyl Chloride	2.36	62	54814	21.419	ug/l	100
5) Bromomethane	2.77	94	30066	19.690	ug/l	93
6) Chloroethane	2.91	64	28639	19.927	ug/l	92
7) Trichlorofluoromethane	3.25	101	22728	18.771	ug/l	99
8) Diethyl Ether	3.68	74	25233	20.134	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52417	21.005	ug/l	98
10) Methyl Iodide	4.27	142	79407	20.095	ug/l	100
11) Tert butyl alcohol	5.19	59	25591	146.238	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	52457	20.283	ug/l	96
13) Acrolein	3.89	56	24174	128.802	ug/l	96
14) Allyl chloride	4.67	41	80289	20.202	ug/l	99
15) Acrylonitrile	5.37	53	66881	114.180	ug/l	99
16) Acetone	4.13	43	56553	105.562	ug/l	98
17) Carbon Disulfide	4.38	76	145408	20.030	ug/l	100
18) Methyl Acetate	4.67	43	32608	21.248	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	80827	20.668	ug/l	97
20) Methylene Chloride	4.92	84	60151	20.395	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	55970	20.367	ug/l	99
22) Diisopropyl ether	6.31	45	147633	19.826	ug/l	97
23) Vinyl Acetate	6.25	43	470601	105.265	ug/l	97
24) 1,1-Dichloroethane	6.21	63	90534	19.892	ug/l	99
25) 2-Butanone	7.17	43	89754	113.679	ug/l	97
26) 2,2-Dichloropropane	7.16	77	59780	20.374	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	57874	19.903	ug/l	99
28) Bromochloromethane	7.51	49	25877	15.942	ug/l #	99
29) Tetrahydrofuran	7.53	42	55786	115.606	ug/l	98
30) Chloroform	7.67	83	86928	19.745	ug/l	96
31) Cyclohexane	7.95	56	97088	20.154	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	73298	20.482	ug/l	97
36) 1,1-Dichloropropene	8.08	75	78688	21.003	ug/l	99
37) Ethyl Acetate	7.25	43	38860	22.860	ug/l	98
38) Carbon Tetrachloride	8.06	117	68530	20.634	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	102549	21.127	ug/l	96
40) Benzene	8.32	78	215861	20.640	ug/l	99
41) Methacrylonitrile	7.48	41	21115	21.844	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	54469	20.605	ug/l	99
43) Isopropyl Acetate	8.42	43	67015	21.821	ug/l	99
44) Trichloroethene	9.09	130	61454	20.598	ug/l	99
45) 1,2-Dichloropropane	9.37	63	51525	20.526	ug/l	92
46) Dibromomethane	9.46	93	26737	21.380	ug/l	99
47) Bromodichloromethane	9.64	83	60854	19.576	ug/l	98
48) Methyl methacrylate	9.43	41	33305	22.016	ug/l	98
49) 1,4-Dioxane	9.46	88	10760	490.028	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	184922	114.532	ug/l	100
52) Toluene	10.38	92	138068	20.495	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	66990	20.739	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	79639	20.351	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38506	20.514	ug/l	95
56) Ethyl methacrylate	10.65	69	54242	21.456	ug/l	99
57) 1,3-Dichloropropane	10.93	76	68085	21.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	124312	104.227	ug/l	98
59) 2-Hexanone	10.97	43	127207	114.895	ug/l	99
60) Dibromochloromethane	11.13	129	43778	20.281	ug/l	96
61) 1,2-Dibromoethane	11.23	107	39055	21.875	ug/l	97
64) Tetrachloroethene	10.86	164	54403	21.040	ug/l	96
65) Chlorobenzene	11.66	112	140956	20.191	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	49379	20.363	ug/l	99
67) Ethyl Benzene	11.73	91	260614	20.425	ug/l	98
68) m/p-Xylenes	11.84	106	199500	41.093	ug/l	100
69) o-Xylene	12.16	106	91525	20.405	ug/l	99
70) Styrene	12.18	104	155468	20.187	ug/l	99
71) Bromoform	12.35	173	27896	20.967	ug/l #	96
73) Isopropylbenzene	12.46	105	257671	20.330	ug/l	100
74) N-amyl acetate	12.27	43	59825	21.582	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47411	21.946	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36319m	25.556	ug/l	
77) Bromobenzene	12.74	156	60392	20.102	ug/l	98
78) n-propylbenzene	12.80	91	298314	20.354	ug/l	99
79) 2-Chlorotoluene	12.89	91	166218	20.242	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	215064	20.422	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15671	21.737	ug/l	97
82) 4-Chlorotoluene	12.99	91	172730	20.267	ug/l	99
83) tert-Butylbenzene	13.21	119	192754	20.610	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	214091	20.555	ug/l	100
85) sec-Butylbenzene	13.38	105	267866	20.728	ug/l	99
86) p-Isopropyltoluene	13.50	119	244688	20.609	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	117164	20.567	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	113826	20.397	ug/l	99
89) n-Butylbenzene	13.82	91	219095	20.427	ug/l	99
90) Hexachloroethane	14.09	117	41125	20.243	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	102140	20.308	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7556	21.939	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	71995	20.254	ug/l	97
94) Hexachlorobutadiene	15.24	225	48451	20.511	ug/l	97
95) Naphthalene	15.36	128	134776	21.919	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	65068	20.934	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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